

# Project manager using a fined method of risk management

## Objectives

Reporting the financial balance of the programme

Supporting users of the planning tool Cascade PGM

## Our Way

Improving the financial reporting tool (internal programme using Excel).

Extending the initial role to a consulting about assessing methods dealing with costs of computing projects.

Listing the most efficient methods, models and process : probability approach (Cost Risk Management), WBS techniques, parameter methods, analogical models, LOC vs. function points, best practices in Defence industry.

Proposing a route plan with several options to guide the client in its progress.



## Results

Automating partly the Excel tool

Buying the software @Risk and testing the

Engineering/ WBS technique on a new software

version in order to assess the probability to respect the budget.

## Software manager in a joint venture for a project dealing with the development of a defence system

### Objectives

- Operating software contracts (negotiations, respect for milestones and planning)
- Coordinating the problem solving among the joint venture teams
- Coordinating the technical answer of the equipment evolution among the joint venture teams
- Reporting the software activities in international meetings

### Our Way

- 1- creating the plan of action (monitoring the progression)
- 2- organising meetings in order to coordinate solutions for several partners
- 4- monitoring the planning of the contract milestones
- 5- preparing the presentation of the reporting for the firm and its clients

**Novelty** : creation of synthesis notes about the complete problem and its evolution

### Results

- Project management operational and efficient
- Traceability of action and synthesis monitoring in real time about the contract progress
- Key contact for the monitoring and the problem solving of the programme



### Client benefits

- Efficient management of the planned actions
- Organisation allowing the resumption of the activity by an other person without a loss of information

# Deploying business-oriented systems engineering

## Objectives

Increase business efficiency through effective deployment of system engineering.

## Our Way

- Analysis:
  - levels of practice
  - trade issues (nature of markets, value added, controlling prices and deadlines, ...).
- Defining elements of methods and tools
- Establishment of a deployment strategy:
  - pilot
- Training
  - Coaching
  - gradual extension



## Results

The methodology was successfully on two projects

# Risk management

## Objectives

Establish a repository of risk management and dependability guaranteeing control performance availability and system security.

## Our Way

- Analysis of contract requirements
- Implementation of a plan of dependability
- Implementation of the repository in the development organization
- Animation studies in coordination with project managers

Characteristics: coordination of all industries in charge of implementing the sub-systems

## Results

Ability to adapt approaches from other sectors to the specific project context

Capitalization: the proposed approach is followed as best practices and implemented in many sectors

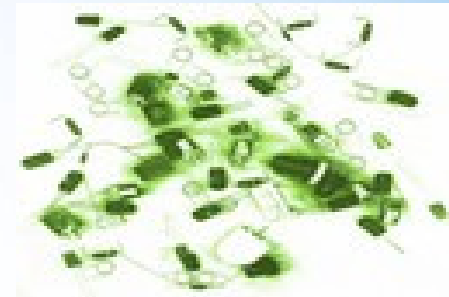
# Management of Agile microwave filter for military communications project

## Objectives

- Analyze the product and the expertise of the -subcontractor to ensure that the series will be manufacturable and high performance.
- The industrial look is important and reproducible performance of these filters

## Our Way

-Expertise in developing mechanical components of the filter: the need for mechanical and functional performance were analyzed to verify the compatibility of solutions with the acquisition of such performance. Component Analysis performed to determine risk levels for industrial mass production.  
Search for alternatives  
Characteristics: subcontractor Switzerland, political, documents in French and English



## Results

External and impartial evaluation of the work performed by the subcontractor  
Product design review clear and formalized